ASTD/TDI Project Static Report

Dissolvable Anti-Contamination Materials Processing System

Focus Area: Mixed Waste Focus Area
TTP No.: SR09MW51
Lead Site: Savannah River
Project No.: 99-ASTD-20
Tech ID/TMS No.: 2929
Related Publication(s): N/A
Web Page(s):

Focus Area Manager: Kenneth Merrill, (208) 526-0797
Principal Investigator: Robert Estep, (505) 667-3683

Technology Vendor(s)/Commercial Partner(s):
None identified at this time

Description: The system dissolves solid, polyvinyl alcohol (PVA) materials used in radioactive contaminated applications. By processing the PVA material in this system, solid waste disposal costs (e.g., incineration, macroencapsulation) are avoided. Products from PVA dissolution are primarily CO2 and H2O. Metal contaminants are recovered or processed with other ongoing waste streams.

Application: Initially, highly contaminated, consumable material applications (e.g., mops, wipes); Secondary use TBD based on process efficiencies and alternative treatments and disposal costs.

Location(s):

Technology(ies):

Hot Water-Dissolvable Polyvinyl Alcohol (PVA)

Funding ($K):	FY-98	FY-99	FY-00	FY-01	Total
TTP No.: SR09MW51	$0	$50	$220	$0	$270
Leverage Source: Waste Min/P2					$270
				Funding Total ($K):	$540

Cost Savings ($M):	Proposal	Deployment Plan/TTP	Current Focus Area Projection
	$5,925	$5,400	$6,600